#4

0570

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/904,786

DATE: 01/16/2002
TIME: 15:54:56

Input Set : N:\Crf3\RULE60\09904786.raw
Output Set: N:\CRF3\01162002\I904786.raw

<110> APPLICANT: Genentech, Inc.
Ashkenazi, Avi
Botstein, David
Desnoyers, Luc
Eaton, Dan L.
Ferrara, Napoleone
Filvaroff, Ellen
Fong, Sherman
Gao, Wei-Qiang
Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, A.
Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth, J.
Kljavin, Ivar J.
Mather, Jennie P.
Pan, James
Paoni, Nicholas F.
Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
Williams, P. Mickey
Wood, William, I.
<120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same
<130> FILE REFERENCE: 10466-14
<140> CURRENT APPLICATION NUMBER: US/09/904,786
<141> CURRENT FILING DATE: 2001-07-12
<150> PRIOR APPLICATION NUMBER: 09/665,350
<151> PRIOR FILING DATE: 2000-09-18
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<212> TYPE: DNA
<213> ORGANISM: Homo Sapien
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gccggaggcc gccaagaagc cgacgccctg ccaccggtgc cgggggctgg 250

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ggtgctggac gagggcgcct gtgtggatgt ggacgagtgt gcggccgagc 850
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gcccaacttg tttattgcag cttataatgg ttacaaataa agcaatagca 1550
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<210> SEQ ID NO: 2
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<212> TYPE: PRT
<213> ORGANISM: Homo Sapien
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Leu Leu Leu Pro Pro Ala Pro Glu Ala Ala Lys Lys Pro Thr Pro
20 25 30
Cys His Arg Cys Arg Gly Leu Val Asp Lys Phe Asn Gln Gly Met
35 40 45
Val Asp Thr Ala Lys Lys Asn Phe Gly Gly Gly Asn Thr Ala Trp
50 55 60
Glu Glu Lys Thr Leu Ser Lys Tyr Glu Ser Ser Glu Ile Arg Leu
65 70 75
Leu Glu Ile Leu Glu Gly Leu Cys Glu Ser Ser Asp Phe Glu Cys
80 85 90

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Input Set : N:\Crf3\RULE60\09904786.raw
Output Set: N:\CRF3\01162002\I904786.raw

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99        Leu Gln Leu Lys Ser Glu Tyr Pro Asp Leu Phe Glu Trp Phe Cys
100                       110                 115                 120
101        Val Lys Thr Leu Lys Val Cys Cys Ser Pro Gly Thr Tyr Gly Pro
102                       125                 130                 135
103        Asp Cys Leu Ala Cys Gln Gly Gly Ser Gln Arg Pro Cys Ser Gly
104                       140                 145                 150
105        Asn Gly His Cys Ser Gly Asp Gly Ser Arg Gln Gly Asp Gly Ser
106                       155                 160                 165
107        Cys Arg Cys His Met Gly Tyr Gln Gly Pro Leu Cys Thr Asp Cys
108                       170                 175                 180
109        Met Asp Gly Tyr Phe Ser Ser Leu Arg Asn Glu Thr His Ser Ile
110                       185                 190                 195
111        Cys Thr Ala Cys Asp Glu Ser Cys Lys Thr Cys Ser Gly Leu Thr
112                       200                 205                 210
113        Asn Arg Asp Cys Gly Glu Cys Glu Val Gly Trp Val Leu Asp Glu
114                       215                 220                 225
115        Gly Ala Cys Val Asp Val Asp Glu Cys Ala Ala Glu Pro Pro Pro
116                       230                 235                 240
117        Cys Ser Ala Ala Gln Phe Cys Lys Asn Ala Asn Gly Ser Tyr Thr
118                       245                 250                 255
119        Cys Glu Glu Cys Asp Ser Ser Cys Val Gly Cys Thr Gly Glu Gly
120                       260                 265                 270
121        Pro Gly Asn Cys Lys Glu Cys Ile Ser Gly Tyr Ala Arg Glu His
122                       275                 280                 285
123        Gly Gln Cys Ala Asp Val Asp Glu Cys Ser Leu Ala Glu Lys Thr
124                       290                 295                 300
125        Cys Val Arg Lys Asn Glu Asn Cys Tyr Asn Thr Pro Gly Ser Tyr
126                       305                 310                 315
127        Val Cys Val Cys Pro Asp Gly Phe Glu Glu Thr Glu Asp Ala Cys
128                       320                 325                 330
129        Val Pro Pro Ala Glu Ala Glu Ala Thr Glu Gly Glu Ser Pro Thr
130                       335                 340                 345
131        Gln Leu Pro Ser Arg Glu Asp Leu
132                       350
134 <210> SEQ ID NO: 3
135 <211> LENGTH: 2206
136 <212> TYPE: DNA
137 <213> ORGANISM: Homo Sapien
138 <400> SEQUENCE: 3
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140        tagagatccc tcgacctcga cccacgcgtc cgccaggccg ggaggcgacg 100
141        cgcccagccg tctaaacggg aacagccctg gctgagggag ctgcagcgca 150
142        gcagagtatc tgacggcgcc aggttgcgta ggtgcggcac gaggagtttt 200
143        cccggcagcg aggaggtcct gagcagcatg gcccggagga gcgccttccc 250
144        tgccgccgcg ctctggctct ggagcatcct cctgtgcctg ctggcactgc 300
145        gggcggaggc cgggccgccg caggaggaga gcctgtacct atggatcgat 350
146        gctcaccagg caagagtact cataggattt gaagaagata tcctgattgt 400
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RAW SEQUENCE LISTING DATE: 01/16/2002
PATENT APPLICATION: US/09/904,786 TIME: 15:54:56

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148         agagaatgcc agctattcct gtcaatatcc attccatgaa ttttacctgg 500
149         caagctgcag ggcaggcaga atacttctat gaattcctgt ccttgcgctc 550
150         cctggataaa ggcatcatgg cagatccaac cgtcaatgtc cctctgctgg 600
151         gaacagtgcc tcacaaggca tcagttgttc aagttggttt cccatgtctt 650
152         ggaaaacagg atggggtggc agcatttgaa gtggatgtga ttgttatgaa 700
153         ttctgaaggc aacaccattc tccaaacacc tcaaaatgct atcttcttta 750
154         aaacatgtca acaagctgag tgcccaggcg ggtgccgaaa tggaggcttt 800
155         tgtaatgaaa gacgcatctg cgagtgtcct gatgggttcc acggacctca 850
156         ctgtgagaaa gcccttttgta ccccacgatg tatgaatggt ggactttgtg 900
157         tgactcctgg tttctgcatc tgcccacctg gattctatgg agtgaactgt 950
158         gacaaagcaa actgctcaac cacctgcttt aatggaggga cctgtttcta 1000
159         ccctggaaaa tgtatttgcc ctccaggact agagggagag cagtgtgaaa 1050
160         tcagcaaatg cccacaaccc tgtcgaaatg gaggtaaatg cattggtaaa 1100
161         agcaaatgta agtgttccaa aggttaccag ggagacctct gttcaaagcc 1150
162         tgtctgcgag cctggctgtg gtgcacatgg aacctgccat gaacccaaca 1200
163         aatgccaatg tcaagaaggt tggcatggaa gacactgcaa taaaaggtac 1250
164         gaagccagcc tcatacatgc cctgaggcca gcaggcgccc agctcaggca 1300
165         gcacacgcct tcacttaaaa aggccgagga gcggcgggat ccacctgaat 1350
166         ccaattacat ctggtgaact ccgacatctg aaacgtttta agttacacca 1400
167         agttcatagc ctttgttaac ctttcatgtg ttgaatgttc aaataatgtt 1450
168         cattacactt aagaatactg gcctgaattt tattagcttc attataaatc 1500
169         actgagctga tatttactct tccttttaag ttttctaagt acgtctgtag 1550
170         catgatggta tagattttct tgtttcagtg ctttgggaca gattttatat 1600
171         tatgtcaatt gatcaggtta aaattttcag tgtgtagttg gcagatattt 1650
172         tcaaaattac aatgcattta tggtgtctgg gggcagggga acatcagaaa 1700
173         ggttaaattg ggcaaaaatg cgtaagtcac aagaatttgg atggtgcagt 1750
174         taatgttgaa gttacagcat ttcagatttt attgtcagat atttagatgt 1800
175         ttgttacatt tttaaaaatt gctcttaatt tttaaactct caatacaata 1850
176         tattttgacc ttaccattat tccagagatt cagtattaaa aaaaaaaaaa 1900
177         ttacactgtg gtagtggcat ttaaacaata taatatattc taaacacaat 1950
178         gaaataggga atataatgta tgaacttttt gcattggctt gaagcaatat 2000
179         aatatattgt aaacaaaaca cagctcttac ctaataaaca ttttatactg 2050
180         tttgtatgta taaaataaag gtgctgcttt agtttttttgg aaaaaaaaaa 2100
181         aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcggccgc gactctagag 2150
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183         ataatg 2206
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186 <211> LENGTH: 379
187 <212> TYPE: PRT
188 <213> ORGANISM: Homo Sapien
189 <400> SEQUENCE: 4
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192         Ser Ile Leu Leu Cys Leu Leu Ala Leu Arg Ala Glu Ala Gly Pro
193                        20                  25                  30
194         Pro Gln Glu Glu Ser Leu Tyr Leu Trp Ile Asp Ala His Gln Ala
195                        35                  40                  45
196         Arg Val Leu Ile Gly Phe Glu Glu Asp Ile Leu Ile Val Ser Glu
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Input Set : N:\Crf3\RULE60\09904786.raw
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198       Gly Lys Met Ala Pro Phe Thr His Asp Phe Arg Lys Ala Gln Gln
199                         65                  70                  75
200       Arg Met Pro Ala Ile Pro Val Asn Ile His Ser Met Asn Phe Thr
201                         80                  85                  90
202       Trp Gln Ala Ala Gly Gln Ala Glu Tyr Phe Tyr Glu Phe Leu Ser
203                         95                 100                 105
204       Leu Arg Ser Leu Asp Lys Gly Ile Met Ala Asp Pro Thr Val Asn
205                        110                 115                 120
206       Val Pro Leu Leu Gly Thr Val Pro His Lys Ala Ser Val Val Gln
207                        125                 130                 135
208       Val Gly Phe Pro Cys Leu Gly Lys Gln Asp Gly Val Ala Ala Phe
209                        140                 145                 150
210       Glu Val Asp Val Ile Val Met Asn Ser Glu Gly Asn Thr Ile Leu
211                        155                 160                 165
212       Gln Thr Pro Gln Asn Ala Ile Phe Phe Lys Thr Cys Gln Gln Ala
213                        170                 175                 180
214       Glu Cys Pro Gly Gly Cys Arg Asn Gly Gly Phe Cys Asn Glu Arg
215                        185                 190                 195
216       Arg Ile Cys Glu Cys Pro Asp Gly Phe His Gly Pro His Cys Glu
217                        200                 205                 210
218       Lys Ala Leu Cys Thr Pro Arg Cys Met Asn Gly Gly Leu Cys Val
219                        215                 220                 225
220       Thr Pro Gly Phe Cys Ile Cys Pro Pro Gly Phe Tyr Gly Val Asn
221                        230                 235                 240
222       Cys Asp Lys Ala Asn Cys Ser Thr Thr Cys Phe Asn Gly Gly Thr
223                        245                 250                 255
224       Cys Phe Tyr Pro Gly Lys Cys Ile Cys Pro Pro Gly Leu Glu Gly
225                        260                 265                 270
226       Glu Gln Cys Glu Ile Ser Lys Cys Pro Gln Pro Cys Arg Asn Gly
227                        275                 280                 285
228       Gly Lys Cys Ile Gly Lys Ser Lys Cys Lys Cys Ser Lys Gly Tyr
229                        290                 295                 300
230       Gln Gly Asp Leu Cys Ser Lys Pro Val Cys Glu Pro Gly Cys Gly
231                        305                 310                 315
232       Ala His Gly Thr Cys His Glu Pro Asn Lys Cys Gln Cys Gln Glu
233                        320                 325                 330
234       Gly Trp His Gly Arg His Cys Asn Lys Arg Tyr Glu Ala Ser Leu
235                        335                 340                 345
236       Ile His Ala Leu Arg Pro Ala Gly Ala Gln Leu Arg Gln His Thr
237                        350                 355                 360
238       Pro Ser Leu Lys Lys Ala Glu Glu Arg Arg Asp Pro Pro Glu Ser
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242 <210> SEQ ID NO: 5
243 <211> LENGTH: 45
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
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VERIFICATION SUMMARY DATE: 01/16/2002
PATENT APPLICATION: US/09/904,786 TIME: 15:54:57

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L:384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
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L:599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:1361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50
L:2930 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113
L:3309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131
L:4388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174
L:4498 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175
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L:5374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206